

5/1/02



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PCT10

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/069,025

DATE: 03/07/2002

TIME: 15:36:12

Input Set : A:\pto.vsk.txt

Output Set: N:\CRF3\03072002\J069025.raw

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3 <110> APPLICANT: Barlow, Carrolee
4      Winrow, Christopher J
5      Callahan, Marie Lei A
6      Pankratz, Daniel G
8 <120> TITLE OF INVENTION: Gene Expression Modulated in Ataxia Telangiectasia
Tumorigenesis
10 <130> FILE REFERENCE: 99-529B
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/069,025
C--> 12 <141> CURRENT FILING DATE: 2002-02-19
12 <150> PRIOR APPLICATION NUMBER: 60/149,868
13 <151> PRIOR FILING DATE: 1999-08-19
15 <160> NUMBER OF SEQ ID NOS: 52
17 <170> SOFTWARE: PatentIn version 3.1
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20 <211> LENGTH: 406
21 <212> TYPE: DNA
22 <213> ORGANISM: Mus musculus
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27 tgtgtgagtc ccagttccaa agttcttaca acagagctaa tgagatatgt gtgggagact      120
29 caaagatcaa gggagcttcc tttagaggagg attctggagg cccgcttggt tgtaaaagag      180
31 cagctgcagg catcgtctcc tacgggcaaa ctgatggatc agctccacaa gtcttcacaa      240
33 gagtttttggg ttttgtatcg tggataaaga aaacgatgaa acacagctaa ctacaagaag      300
35 caaactagat cctgatctga ccagccatct tccccatagc tgagtccagg attgctctag      360
37 gacagatggc agcaactgaa taaagaactt tctctgactc caaaaa                      406
40 <210> SEQ ID NO: 2
41 <211> LENGTH: 54
42 <212> TYPE: DNA
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50 <211> LENGTH: 101
51 <212> TYPE: DNA
52 <213> ORGANISM: Mus musculus
54 <400> SEQUENCE: 3
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57 agacatccat ttaataaaagt ctcatgctga gagagtaaaa a                      101
60 <210> SEQ ID NO: 4
61 <211> LENGTH: 258
62 <212> TYPE: DNA
63 <213> ORGANISM: Mus musculus
65 <400> SEQUENCE: 4
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68 ggggtggcagc catcatgctt tcatgaccat tgggcctgct ggtctacctg gtcttagccc      120
70 aggaagccac caggtagggt aggggtgtca gtgccgagtc toctgccaga cacagttata      180
72 cctgcctttc tgcactgctc caggcatgcc cttagagcat ggtgttttaa agctaaataa      240
74 agtctctaac tacaaaaa                                     258
77 <210> SEQ ID NO: 5
78 <211> LENGTH: 116
79 <212> TYPE: DNA
80 <213> ORGANISM: Mus musculus
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85 ggacaggaca ggtcacatgg agctttatgt caataaagtc tttatcttgt caaaaa      116
88 <210> SEQ ID NO: 6
89 <211> LENGTH: 68
90 <212> TYPE: DNA
91 <213> ORGANISM: Mus musculus
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96 cctaaaaa                                     68
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104 <400> SEQUENCE: 7
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107 gagctgtgac tgagatttag tgttttcaat atgaacaaaa agcatttgcc tagcaaatga      120
109 agttcaaatg aaggcttagt cttttgaaga ataaagcata aaaccatcaa aa      172
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113 <211> LENGTH: 151
114 <212> TYPE: DNA
115 <213> ORGANISM: Mus musculus
117 <400> SEQUENCE: 8
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120 tacactgatt acatttcagg aggacgtgtt ctatttatgt tgtgcctctg caggcaaage      120
122 ccttaataaa tattttgcat actttcaaaa a                                     151
125 <210> SEQ ID NO: 9
126 <211> LENGTH: 300
127 <212> TYPE: DNA
128 <213> ORGANISM: Mus musculus
130 <400> SEQUENCE: 9
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133 aacaggagta gaacccatt tcgcctgtgt gagaaagatc gaatggagct actagaaata      120
135 qcaaaaagcca acgcagcaaa agctctggga acagccaact tcgacttgcc agcaagtctc      180
137 cagaccaagg aggcaagcca ggggacagct gtttcacgca gtggggcaaaa ggtggagcat      240
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143 <211> LENGTH: 43
144 <212> TYPE: DNA
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154 <213> ORGANISM: Mus musculus
156 <400> SEQUENCE: 11
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159 attttatagt ttactcttaa tgaagtcctg attaacacag agcagcggag cagcgggtccc      120
161 tcccctgagt ggcagcagca ggaagccccg ttgttaatgt gcgttgcgct gctttaccgt      180
163 acaccacagt gcattctttt tactataacg gttttccccc ctctcagaag agaaatctta      240
165 aaatttgcaa cagacctcct aacttttgtt tacttttttt gtcttaacga tagatttgaa      300
167 aatgaaaaat gttaaaaaga caactggatc tgttgtccgt attatatttg caatctgaaa      360
169 tttgtgtgaa ttgatttagt aaaaatgttaa actggaaaaa      400
172 <210> SEQ ID NO: 12
173 <211> LENGTH: 219
174 <212> TYPE: DNA
175 <213> ORGANISM: Mus musculus
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180 gtttcagatt gccaggagca cactcgacgt cgcagatagg acagaattag ctgaccacct      120
182 gattcaaagt gcatgtgcgg cgtctggagt gaccaaggcc attaatattt tccagaagtt      180
184 gaattatatg catattgcaa atgctcttga agagaaaaa      219
187 <210> SEQ ID NO: 13
188 <211> LENGTH: 89
189 <212> TYPE: DNA
190 <213> ORGANISM: Mus musculus
192 <400> SEQUENCE: 13
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195 aatagacatt aaagtataac gcccaaaaa      89
198 <210> SEQ ID NO: 14
199 <211> LENGTH: 42
200 <212> TYPE: DNA
201 <213> ORGANISM: Mus musculus
203 <400> SEQUENCE: 14
204 cggctatcag tgctaacaga aaacattgta gaaggccaaa aa      42
207 <210> SEQ ID NO: 15
208 <211> LENGTH: 247
209 <212> TYPE: DNA
210 <213> ORGANISM: Mus musculus
212 <400> SEQUENCE: 15
213 cggaccatcc ctgctctgtg tccatctact catccaatgg agtcattagc agtcaatcgc      60
215 agcttcaact gacactgagg ggtcacagac ttaggctccc tttgggtcac gtccagcgtg      120
217 tcttagactt tatcatcttt cagaggcggg aggcagactg ttcacaaagg ctttctctag      180
219 ctttccactg caataatct tggtcactcc ctcaaataag tatatttttt ctagaaaagg      240
221 ggaaaaa      247
224 <210> SEQ ID NO: 16
225 <211> LENGTH: 260
226 <212> TYPE: DNA
227 <213> ORGANISM: Mus musculus

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229 <400> SEQUENCE: 16
230 cggaccctga ttcgcatcat ggtgtctcgc ggcgagcttg acctgctgga tatccgagca      60
232 gagtataagc ggatgtacgg caagtcactg taccacgata tcacgggaga tacttctgga      120
234 gactatcgaa agattccact gaagatctgt ggtggcaacg actgagctgt ggcagtggt      180
236 cacctgtgcc cctgctggc attggccagg aaacgtccca aagagcacac ttcggtttcc      240
238 ctatctaata accccaaaaa                                     260
241 <210> SEQ ID NO: 17
242 <211> LENGTH: 209
243 <212> TYPE: DNA
244 <213> ORGANISM: Mus musculus
246 <400> SEQUENCE: 17
247 cggaccgtgc aaaggtagca taatcacttg ttccttaatt agggactagc atgaacgggt      60
249 aaacgagggt ccaactgtct cttatcttta atcagtgaaa ttgacctttc agtgaagagg      120
251 ctgaaatata ataataagac gagaagaccc tatggggctt aaattatata acttatctat      180
253 ttaatttatt aaacctaatt gcccaaaaa                                     209
256 <210> SEQ ID NO: 18
257 <211> LENGTH: 385
258 <212> TYPE: DNA
259 <213> ORGANISM: Mus musculus
261 <400> SEQUENCE: 18
262 cggagtggac agcacaagcc atggaagcgc agatggccca gtgagccctc agcgcgtgtgc      60
264 gcactgcac tttgccactt cgtgcagatt gattcaactgc cctcaaagc atttgcattca      120
266 tgaccttaga catctcagcc tcttttgctg gatcccaact gaagaagatg ctagagcaag      180
268 aagtgcacgc tttaaacata atagctcccg tgagatctgg gtctgtgtat tgaactaact      240
270 cagacgcttt gaaaacttgt tctttaagtg gaagtgaag acctgaagtt tgggatttgt      300
272 gatcactttg tagtcatgta aaacttaagt gctttgtgcc tctccacatg tggttactct      360
274 aataaacgga gcggtgagcc aaaaa                                     385
277 <210> SEQ ID NO: 19
278 <211> LENGTH: 83
279 <212> TYPE: DNA
280 <213> ORGANISM: Mus musculus
282 <400> SEQUENCE: 19
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285 ccagtgctc tgaatgtcaa aaa                                     83
288 <210> SEQ ID NO: 20
289 <211> LENGTH: 286
290 <212> TYPE: DNA
291 <213> ORGANISM: Mus musculus
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294 cgggggcca gacgaggagg tgctgatgat gaacggtcac cctggcgga tgcctgatgat      60
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298 gaccgaggac cttggaggaa tgctgctgaa gataggattt ccaggagagg tgcagatgat      180
300 gaccgagggc cttggagaaa tatggatgat gatagggttc ctagaagggg tgatgatgca      240
302 agacctggtc cttggagatc atttgtcgag ccaggtggat gaaaaa                                     286
305 <210> SEQ ID NO: 21
306 <211> LENGTH: 124
307 <212> TYPE: DNA
308 <213> ORGANISM: Mus musculus
310 <400> SEQUENCE: 21

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311 cggtaccaat gtatagctgt gttggagaaa tatggaagat aaactataca ggatatttgc      60
313 acattctcat ctgtctctct ggtgaccgat aattcagttt gctccagctg cccaagccca      120
315 aaaa                                                                    124
318 <210> SEQ ID NO: 22
319 <211> LENGTH: 68
320 <212> TYPE: DNA
321 <213> ORGANISM: Mus musculus
323 <400> SEQUENCE: 22
324 cggtagcggg aacaccgaga acgaagccag cctggctttc gaaaacgcct gggtttgctg      60
326 gagaaaaa                                                                68
329 <210> SEQ ID NO: 23
330 <211> LENGTH: 160
331 <212> TYPE: DNA
332 <213> ORGANISM: Mus musculus
334 <400> SEQUENCE: 23
335 cggtagcagca cgtgaggtc cagtaccacg agtccgacac ctcccgtagg tacttcaagc      60
337 agggcatcat ctataaaaag gggggtgtgg cctctgggat gaagcacgtg gagaccaaca      120
339 cctatgatgt gaagaggctg ctacacgtaa aggggaaaaa                          160
342 <210> SEQ ID NO: 24
343 <211> LENGTH: 48
344 <212> TYPE: DNA
345 <213> ORGANISM: Artificial Sequence
347 <220> FEATURE:
348 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic primer
350 <220> FEATURE:
351 <221> NAME/KEY: misc_feature
352 <222> LOCATION: (47)..(48)
353 <223> OTHER INFORMATION: N stands for any nucleotide.
356 <220> FEATURE:
357 <221> NAME/KEY: misc_feature
358 <222> LOCATION: (46)..(46)
359 <223> OTHER INFORMATION: V stands for A, G, or C.
362 <400> SEQUENCE: 24
W--> 363 gaattcaact ggaagcggcc gcaggaattt tttttttttt tttttvnn      48
366 <210> SEQ ID NO: 25
367 <211> LENGTH: 16
368 <212> TYPE: DNA
369 <213> ORGANISM: Artificial Sequence
371 <220> FEATURE:
372 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic primer
374 <400> SEQUENCE: 25
375 aggtcgacgg tatcgg                                                                    16
378 <210> SEQ ID NO: 26
379 <211> LENGTH: 16
380 <212> TYPE: DNA
381 <213> ORGANISM: Artificial Sequence
383 <220> FEATURE:
384 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic primer
386 <220> FEATURE

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RAW SEQUENCE LISTING ERROR SUMMARY
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:24; N Pos. 47,48
Seq#:26; N Pos. 16
Seq#:28; N Pos. 13,14,15,16

VERIFICATION SUMMARY

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Input Set : A:\pto.vsk.txt

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L:12 M:270 C: Current Application Number differs, Replaced Current Application No

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:363 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0

L:393 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0

L:423 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:0